

PVRC NEWSLETTER - JANUARY 2002

PVRC PRESIDENT'S REPORT FOR JAN 2002 by Brian McGinness, N3OC

Happy New Year to my great friends at PVRC! We have had another successful year, not meeting all challenges, but having a good time along the way. My heartfelt thanks to all the officers, trustees, regional coordinators and others who have put in so much extra to help make PVRC a success.

This year we have added two trustees to the eight we already had. Both of these members have offered valuable input and assistance over the last couple of years, so it made perfect sense to make them trustees. Please welcome Dallas W3PP and Rob ND3A as trustees for 2002. The current list of trustees are the club officers, plus N3RR, KE3Q, K3MM, N4ZR, N4AF, W4MYA, W4ZYT, K4IQ, W3PP, and ND3A.

I have used the trustees over the last couple of years to help make policy decisions. Rather than using my opinion to settle things (which isn't always right!), we have used the trustees, via email, to formulate our official position about things. So if you have any input you want the club as a whole to consider, feel free to discuss it with any of the trustees and they in turn can bring the matter to what is our equivalent of the board of directors.

As of this writing, it appears that SMC has again taken the Sweepstakes gavel.

We beat last year's winning score, but as one might expect, the bar was raised

higher than last year's score. We were better organized, and my thanks to K3MM, N4ZR and W2GG for coordinating this year's effort. But the bottom line still remains NUMBER of logs submitted. I think we have more members living in-circle than they do (we have 420). That means we could have up to 840 logs

submitted for SS, and they had around 350 I think. So the bottom line remains if we could get 50% of the membership on for both modes, 100% on for one mode,

or some combination of the two, we could win it. Several years ago, Rich met with members to the Laurel Amateur Radio Club (LARC) to discuss contesting.

Many of us (myself included) have LARC to thank for their FCC license upgrades.

Pud, W3YD has announced that they are becoming active as a PVRC region, and I

have appointed Pud as their regional coordinator. They already have had several PVRCers, and they will be adding more and conducting regional PVRC

meetings in Laurel. Please welcome Pud and his conspirators to our efforts!

Also, per the by-laws, this will be my last year as president of PVRC. Three consecutive years is quite enough. So we have a year to recruit a new president. The responsibility for nominating club officers lies with the trustees, so we will be discussing that over the upcoming year. The same applies to the VP position, so there WILL be vacancies at the end of this year! So anyone interested in being a club officer, you have some time to think about it, then it would be appropriate to let one of the trustees know of your interest. GO PVRC!

SEARCHING FOR NEW MEMBERS by Bob Dannals, Secretary, W2GG

Over the past few years, with the encouragement and assistance of KE3Q, I've

collected Sweepstakes logs (AFTER PEOPLE SUBMIT THEM DIRECTLY TO THE ARRL) and an occasional 160 or VHF log and attempted to sort through the various log

formats to pull out calls of people within the PVRC competitive radius (MD, VA,

WV, NC, EPA, DE, WPA) who are not already PVRC members. With those calls in

hand, I run a distance check from Club center calculation to see if any fall within our Club territory. For those calls that do fall within the competitive radius and are not members, by looking at the QSO times and serial numbers received, I also try to see how active that station may have been.

Now that everyone is using the Cabrillo format for electronic submissions (!), the task should (could) be simpler.

So if you are willing to contribute to the effort, after you submit your log to the ARRL, I would be happy to collect those Cabrillo files and see what we can

find. No log is too big, no log is too small.

With possible changes in the club competition rules coming in the future, like

redefining the competitive circle and submitting scores for a regional as well as local club, it is important to find possible new members wherever we can.

PVRC REFLECTOR PROBLEM

Howie Hoyt, N4AF, reports that the reflector is deluged by bounced messages. The three commandments (#2 is a killer) are:

- 1) Thou shalt not post from unsubscribed ID (work id ?)
- 2) Thou shalt not post with HTML turned on in your email program
- 3) Thou shalt not post using email ATTACH- use copy paste.

WORLD CONTEST STATION DATABASE AND OTHER WEB SITE DOINGS

During December, several new features were added to the PVRC web site, www.pvrc.org. Most important of these is a new and revised World Contest Station Database, formerly on Pete Smith's (N4ZR) personal site. This is the second major revision of the database, which was begun by K7ZO in the 1995-97

time Frame and now contains descriptions of over 1850 HF contest stations worldwide. You can view its contents by call-sign, for any station that is listed. You can report changes in your own listing at any time. Recent improvements include combining the US/VE and Other databases so that you need

only enter the callsign of any station, wherever in the world it is located.

N4ZR, who now maintains the database, is adding a series of specialized "look-ups" as he learns more about the SQL database language. Through the link

at the bottom of the first database page you can find out who is in the database by prefix, and look up who uses what transceiver. More to come!

Come check it out, and add or update your own record -- help make this an essential reference for contesters.

Also new to the web page in December are photos from the Holiday Party, the first set of PVRC 5M award numbers for the current contest season, a revised page of information for prospective members (including limited access to the membership database), and an on-line application form for people interested in

joining us. The form is already proving useful, with 5 prospective new members

from that source in less than a month.

CENTRAL CHRISTMAS PARTY REPORT by Brian McGinnes, N3OC

The annual PVRC holiday dinner was again a great success thanks to the efforts of many. It was again held at the Olive Garden in Tysons Corner. The program consisted of a short business meeting, our annual awards presentation, and a guest speaker.

Craig Kendall, WA3RGH, and Martha Wilder, N3FZB were voted into membership.

25M endorsements were presented to W4MYA and N3OC, 10m endorsements were presented to: WA4QDM, K2UOP, ND3F, WR3Z, AI3M, K2AV, W3PP, W2CS, W3ZZ, K3SV, K1RZ, N3RR, and K3KO.

New 5m plaques were presented to: W2CS, K2PLF, W8ZA, W4XP, ND3A, K1SE, AD4L, K4HA, K8ISK, W4NF, NR4M, WK4Y, W3UJ, N3II, WU4G, K4VV, K4GMH, W4JVN, K4EC, K6LEW, K4EU, K3FT, WA4JUK, and WX3B.

Certificates of appreciation were presented our webmaster, Pete, N4ZR, and our newsletter editor, Dick, K3DI.

The guest speaker was Ann Santos, WA1S, who gave an excellent presentation and slideshow on the K5K dxpedition. Ann is a General Engineer with a BS in Computer Engineering. She was licensed in 1979 and has operated from J38AA, J3A, K5K, T32R, KH5/WA1S, V63HO, V63X, VK9WY, and VK4AMS.

From the sign-up sheets: K1HTV and wife, K2PLF, K2UOP, K3DI, K3IXD, K3KY, K3MM, K3RV, K3ZO, K4JA, K4VV, K4ZW, K8OQL, KC3VO, KD4D, KE3Q, KT3Y, N3AM, N3HXQ, N3JT, N3OC, N3PQW, N4MM, N4RV, N4ZR, W2GG, W2YE, W3AMY, W3AZ, W3DQ, W3GG, W3IY, W3LPL and wife, W3RR, W3TEF, W3UJ, W3UL, W3YOZ, W4MYA, W4NF, W4RIM, W4RM, W4RX, W4XP and wife, W6NRJ, W8JVP, W8ZA, WA3RGH, WR3L, and WR3Z. Guests were N3FZB, N3PZV, N6WHB, W3ZI, and the speaker WA1S.

NORTHWEST MEETING NOTES 11/20/01 by Ed Steeble, K3IXD, chairman
(This was received in Nov. -editor.)

The meeting was at Paradise Grill in Frederick, MD. In attendance were:
K3IXD,
W3EKT, K3DNE, N3HBX, K3TZV, K3WC, NE3H, WD3A, K3SX, W4XP,
N3YDT, K3ZO, W3ZZ, N3VOP, W8ZA, K2UOP, K8OQL, N4MM, W3KHZ,
K2PLF, K3UG, N3FX, W6NRJ, K3SKE, K3MM, K3LP, and K3TM.

A record setting 27 members turned out to talk about the once in a lifetime
VHF
conditions and SS during dinner.

The business part of the meeting:

- 1) the attendees voted to have a December NW meeting,
- 2) don't forget to sign up for the annual
PVRC holiday party, and
- 3) a reminder to read N4ZR's email about
applying for the SS club award(s) you earned. See his email or follow the
links on the PVRC web site.
- 4) From ARRL via N4MM: The CAC will conduct a meeting via a conference
call in
January. Club competition is the scheduled topic.
- 5) From CQ via W3ZZ: CQ is only accepting logs via email, no USPS mail.
Unlike
ARRL, which only accepts logs in cabrillo, CQ will accept any format. This has
the committee trying to convert many logs into a single format.

Around the table:

K3IXD - Ed operated at W8ZA for the CQWW SSB. Prior to SS he got his
packet
antenna back up. He was on from home in SS Ph.

W3EKT - Ed operated CQWW Ph, making all his QSOs via S&P. He
completed his 6m
WAS and is waiting for the cards. He worked about 30 new 6m countries since
mid-October.

K3DNE - Ed was at W8ZA for CQWW SSB. He reports the 6m DX is the best
he has
seen in his 30 years. Over the weekend he heard EU, AF, CA, SA, US, and
PAC all

at the same time.

N3HBX - John was SO on 15m in CQWW SSB. KD4D guest operated SS CW and Ph from John's QTH.

K3WC - Dusty missed the 6m DX since Sid still has his 6m rig. (K3IXD's note: You had to be there for the full story.)

NE3H - Joe operated both CQWW SSB and SS. K3TZV - Steve is working 10m and will be on for the 10m contest.

WD3A - Tom was at W8ZA for CQWW SSB. He helped repair W8ZA 40m beam and reset it for CW. He operated SS CW and PH from home. He borrowed an amp from W8ZA for SS Ph.

K3SX - Sid completed his 6m WAS and reported working some of his EU 160m friends on 6m. He operated CQWW SSB from home.

W4XP - Chuck was able to get on for a few hours in both the CQWW SSB and SS SSB contests.

K3YDT - Jim completed 6m WAC.
K3TM - Roger was on for SS SSB.

K3ZO - Fred is still in the top 10 for CQWW SSB. He operated both SS CW and PH but left the Ph contest to work the VHF DX Sunday. He's been in this area since 1982 and reports Sunday was the best VHF conditions he has witnessed here.

W3ZZ - Gene has bought a voice keyer for SS Ph but wasn't on since his major antenna maintenance, which began on Friday, wasn't completed until Monday. He had worked 15 new countries on 6m in the past three weeks. He was W3GNQ for CQWW SSB.

N3VOP - Mike did set up a station at the Carroll County RC hamfest and had

16

guest operators on during CQWW SSB. He reports this is a good way to interest hams in contesting. He had to work this past weekend so he missed the VHF openings.

W8ZA - He had a multi operator station on for CQWW SSB. He and K8QOL operated SS CW. He did a hours of operation in SS SSB. He has received a 1st place certificate for 1999 CQWW SSB, and a 1st place Certificate for 2001 ARRL Multi-two ARRL DX Ph.

K2UOP - Tom operated all S&P in CQWW SSB. He received 1st place in 8th call area for 1999 CQWW SSB. He operated both SS CW and Ph.

K8OQL - Jerry operated at W8ZA for CQWW SSB and SS CW. He was on from home for SS SSB.

N4MM - John operated CQWW SSB, SS CW and SS PH from home. He has worked 17 new ones on 6m.

W3KHZ - Art missed the contest do to his father's illness.

K2PLF - Marty did his first guest operating at N4RV in CQWW SSB. He is intrigued by packet, computer, radio interfacing. Look for him to automate his home station soon. Marty provides a 6m packet link between MD/DC/VA and the NE. He reported the link went down during SS SSB. He attributes this to a 40m dipole erected for SS that has an end very near the 6m packet beam. He expects the link to be solid for CQWW CW.

K3UG - Barry has been inactive in the contests.

N3FX - Tony was in a PSK31 contest and both SS CW and SSB.

W6NRJ - Jim continues to experiment with wire antennas. He is now phasing two 1/2 squared loop antennas.

K3SKE - Dan was in SS and is learning how the software works.

K3MM - Ty operated SS CW and SSB as SO2R. He was at W3LPL for CQWW SSB. For CQ RTTY he used AI6V P40V QTH. His goal was to break the world low power record. By the end of 24 hours he had done that. By the end 40 hours he had broken the world high power record just using low power. His claimed score is a new world record.

K3LP - David was at the J69B QTH for CQWW SSB. He used the call J6R. David's new QTH should be ready early December. All the hard-line and control cables have been installed. He hopes to be contesting by March or May.

In general Q & A, the following points made and the information was given:

1) To aid in VHF DX chasing use CT in VHF contest mode and the band map feature

will keep track of the stations/frequencies. Thanks W3EKT.

2) In SS there are no limits about how long you need to remain on a band.

3) Be sure to review your cabrillo file before sending it. N3HBX had the wrong mode in several contests. K3IXD had to edit "B" to "U" in his SS reports.

4) W2GG keeps reminding us via emails and packet messages to use "Potomac

Valley Radio Club", not anything else. A comment was made that in one contest

both "PVRC" and "Potomac Valley Radio Club" were listed. BTW both entries placed high in the results, but

5) PVRC needs to spot their members more often and also DX stations, especially

members on DX expeditions. K3LP did a post contest check of spots of his J6R

low power operation. He believes lack of J6R spots hurt his and the local PVRC

individual scores.

6) In SS CW the operators should try slower speed CQs. Not everyone can copy

35 to 40 wpm.

The December 18th meeting will be at the Paradise Grill.

NORTHWEST MEETING NOTES FOR DEC by Ed Steeble, K3IXD, chairman

The NW region met at Paradise Grill in Frederick, MD on 18 December 2001.

In

attendance were: K3IXD, N4MM, K8OQL, K2UOP, K4VV, K2PLF, W3KHZ, N3HBX, W3LL, K3SKE, K3LP, K3MM (+2), W2YE, N3VOP, W6NRJ, AND W8ZA.

The business part of the meeting:

1) We voted in a new member, W3LL, Bud Governale.
2) If you ordered PVRC QSL cards from N3NT, they are now being printed.
3) Per ARRL, and a good idea for CQ contests too, use "Potomac Valley Radio

Club" not PVRC, as the club name.

4) W3EKT's XYL is in the hospital, scheduled for bypass surgery. (It was successful.)

5) From ARRL via N4MM: An expedition to Ducie is planned for March 2002, ARRL

hasn't received any paper work for the P5 operation, another group should be headed to P5 soon; there is no CAC report yet, the major topics for CAC are the

dual club contest score submissions and the club boundary issues.

6) K4VV said the PVRC officers are very interested in the club boundary definition. He reported that the Holiday Dinner had about 70 attendees, WA1S gave an excellent talk about the K5K DXexpedition.

7) Everyone was reminded to make sure you turn your scores in, on time. Also send the info to W2GG.

8) K3MM said the club will be adding the WAE contest to the club-competition contest. (I think this becomes effective in the next club-competition season.)

Around the table:

N4MM, John operated the 10m contest and the ARRL 160m contest. He installed a

snake receiving antenna and worked JT on 80m. He has 22 new countries on 6m.

K8OQL, Jerry operated the CQWW CW from W8ZA's and the ARRL 160m and the 10m contests from his home. He mentioned he used a Butternut vertical antenna which

others at the table said they, too were very pleased with its performance.

K2UOP, Tom added 12 more radials to his 160m antenna and it paid off in the ARRL 160m contest. He was on for the 10m and had some good runs. He was

fighting a cold and was very hoarse on Sunday, even after getting some medicine

from the bar Saturday night, so he worked only CW on Sunday. He has been working some 6m DX too.

K4VV, Jack has purchased a home with some land out in the country and will be moving there in the spring.

K2PLF, Marty operated CQWW CW at N4RV. He did the CQWW CW and the ARRL 10m contest from home.

W3KHZ, Art operated the 10m contest.

N3HBX, John worked KH6 on 6m. He operated the ARRL 10m contest.

W3LL, Bud operated the ARRL 10m contest.

K3SKE, Dan finally got the ARRL robot to accept his SS submission.

K3LP, David said in March he will be at J6 as part of a multi effort in WPX.

K3MM, Ty said he got on briefly in the ARRL 160m Contest and the ARRL 10m contest.

W2YE, Dick was active in the 10m contest. He, too, Has been working 6m DX and has over 80 new grid squares.

N3VOP, Mike worked GM, G, EI, for 5 new DX grids, on 6m.

W6NRJ, Jim has phased two, 40m bobtails and is making comparison long path QSOs. He is impressed with the performance.

W8ZA, Bob had several operators over for CQWW CW. For the first time, murphy showed up: he lost a radio and a computer plus he had bad band conditions and then a lightening storm forced him to shut down for a while on Sunday. He was on for ARRL 160m and 10m contests.

K3IXD, Ed reported problems during the 10m contest: CT 9.70 wanted to log

all

QSOs in CW so after a few QSOs he switched to a prior version, when he tuned up the amp the computer would lock up, but with power reduced to 1KW from 1.5KW he could operate after rebooting, and he lost 4 hours Saturday afternoon because the washing machine burned up and he had to go buy another.

In general Q and A, the following points made and the following information was given: Several people mentioned that their rates went up after being spotted. Everyone is urged to spot all the PVRicers contesting. The local packet spots do show up worldwide, such as on the OH DX Summit.

The January 15th meeting will be at the Paradise Grill, 1275 W. Patrick Street, Frederick, MD. It is in Frederick Shoppers World, across the Street from PEP Boys. (301) 682-6066.

The NW Region meetings are on the third Tuesday of the month. Most arrive about 6PM for dinner and informal discussions, the meeting begins at 7:15 PM.

NC CHAPTER MINUTES, 11/1/01 by Guy Olinger, K2AV

We met at Ryan's in Cary. Attending were K2AV, K4CIA, N4TL, K3KO, N2NFG, N4CW, KQ2P, NI4S, N4YDU, NX9T, K4HA, K4TMC, WJ9B, K4QPL, K4MA, WW4M, and AA4NC.

Good discussion on SS. Seems to worked out given NC logs reported.

K4CIA said not much going on. K2AV found Bill's two missing carabiners only after going to REI and getting him new ones. Now ya got FOUR with K4CIA on it. It was worth every penny though.

N4TL has an A3WS up. Also got 5BDXCC! Congrats.

WW4M reported on status of W4ATC. Going to K3KO to operate phone SS.

K3KO, with AD4L not there to defend himself, reports that the amp jinx apparently can attach itself to a loaned amp and function outside the general

location of the owner of the jinx. Some reference to an obscure voodoo principle. Maybe one of these years we will find out that a power tube can be infected by a virus. Would explain a lot.

N4CW has a problem with HIS amp. (Lives too close to K3KO.) Will be on for SSCW.

AA4NC reports severe line noise problems (again). Gave a convincing wrapup on adapting to that circumstance by using packet and serendipity to operate in a 2T zero R mode.

K4MA will be at AA4NC for various contests, and then to K4JA for WWCW.

N2NFG (read past minutes) is at 20' on his tower. Some considerable discussion as effectiveness of 20' high antennas for SS.

NI4S has a new radio. (Carnac had a brain belch and forgot to write down WHAT radio). Will report how it does next meeting. Contests will be a good test.

NX9T has all new antennas on his Trylon 72'. Playing good. We'll see how good in SS.

K4HA took down Will's 4 el twenty. Got a 204BA to replace it. Bob will be doing a wedding to celebrate SS. The FOOD will definitely be better.

K4TMC missed WWSSB. Is putting up a new C3SS and 80m Inv Vee.

WJ9B reports he will be all by himself for SS. No explanation of what NOT all by himself meant.

K4QPL brought his newly constructed SO2R box for show and tell, & tell. Also reports he is trying to get the authors of CT, NA, Writelog, and TR to make it impossible for anyone to enter the call sign K4PQL, and put out a new release with this mod before SS. (Should also note that when Carnac first typed this paragraph, the leading call sign was mistyped "K4PQL". It's hopeless, Jim. You should upgrade and get the vanity call KQ4P, so we can get started confusing it

with KP4Q.) Carnac will report next time on all the emergency design improvements to the SO2R box that occurred during November.

Meeting adjourned to miscellaneous scientific discussions and BS sometime. Carnac forgot his watch.

SW VIRGINIA CHAPTER MEETING by Buddy Smith, W4YE

The SW VA PVRC gathered at the Golden Coral, near the Roanoke airport on November 30th. Chairman John, K4IQ called the meeting to order with the following present: John's 2 harmonics, K1GG, N4EL, KA4BSA, W4YE, and N4JED.

David Jones, N4JED was elected to membership. David is an architect by profession and an active ham who enjoys contests. He serves as Assistant Director, Roanoke Division ARRL. David has a nice hilltop location and likes vertical antennas. We look forward to David's membership and contributions.

Discussion was held concerning SS and CQ contests. Over 50% of our members were active in these events. N4EL, K4IQ, K1GG, WM3T, N2QT and W4YE were a few that participated. Everyone also noted how many other PVRC'ers seemed to be on the air - a good sign! Gordon, K1GG had an outstanding SS SSB score of over 200K. It was noted that finding a clear frequency for CQs on 75 during SS was a challenge.

In a non contesting mode, Emily Davis, KA4BSA told us of her recent airline experience. As she passed through the airport metal detectors, her tube of tooth paste set off the alarm, resulting in her having to step aside for additional searching. K4IQ added that in some European airports any bag left unattended even briefly is liable to be covered with a small bell like device. In a few seconds the bag and contents are destroyed by this device!

SWVA members will be active in ARRL 10 and 160 contests with the exception of K4IQ our top 160 man...who will be out of the country for most of that contest. K1GG will try to take up the slack.

Next meeting will be the annual Holiday Dinner, in January 2002, time and place

TBA, with YLs and XYLs invited for dinner. Meeting adjourned at 7:45PM.

OVER-THE-HILL LUNCH GROUP by Ben Shaver, AA4XU

The monthly meeting of the PVRC Over-The-Hill Lunch Bunch was held at MainStreetUSA in Annandale, VA at Noon on Wednesday, November 28, 2001. The following PVRC members attended: K6ETM, George Sinclair; K3ZO, Fred Laun; W3AZ, Bill Leavit; W3GN, Lawrence Fadner; and AA4XU, Ben Shaver.

The Group meets for lunch and discussion monthly, rotating place of meeting around the Beltway. The December meeting is omitted to avoid holiday conflicts.

The January 23, 2002 meeting will be held at the Holiday Inn, Route-1 and the Beltway, near College Park and Beltsville at 12:00 noon. The February 2002 meeting will be held in Oxon Hill, MD and the March 2002 meeting will be held in Annandale, VA.

For dates, times and travel directions telephone W3AZ Bill Leavit, 301-292-5797

or E-mail AA4XU Ben Shaver ([\[email protected\]](#)). All PVRC members and their guests are welcome.

HOLIDAY TRAVEL by Dick Wilder, K3DI

We drove 3526 miles over the holidays to visit children in Alabama for Christmas and then continue to Key West for New Years Eve. (The trip resulted in this issue being prepared one week later than usual.)

When Martha drove, I operated the County Hunters Net (CHN) on 14056.5 kHz which is much like working a contest during weekdays. Many will recall that Andy, W3XE, was very active on the CHN.

On the evening of 12/29, while stopped in Naples, FL during our trip south, I worked Howie, N4AF, on 40m CW and he ran Europeans who gave reports of my little mobile signal.

On the return trip to the North, we stopped in to visit Dick (N4RP/C6AKP, ex-

W4KXV) and Lona Phelps at Delray Beach, FL who provided a delicious dinner and comfortable over-night accommodations.

Dick has sold the sail boat that they had lived on for several years and bought a condominium that really does not allow antennas. However, he has a stealth tri-band vertical and a wire for 40 meters hidden on the flat roof and operates with 100 Watts.

Lona, originally Danish, became a US citizen and, unfortunately, her first exposure US voting was in Palm Beach during the butterfly ballot voting mess.

S C O R E S by Bob Dannals, W2GG

* * Changes/additions/deletions to [\[email protected\]](#) or packet * *

= missing information

CQWW DX SSB (FINAL 12.6.2001)

CALL BND QSO ZON CTY TOTAL

SINGLE OP HIGH POWER - UNASSISTED

K4ZW	3482	152	526	6,805,764
K3ZO	3162	145	452	5,399,865
NX9T	2143	113	368	2,945,163
K4MA	1518	103	338	1,895,418
W4ZV	10	2676	40	1,514,688
K2UOP	1080	98	326	1,297,864
N4MM	876	122	358	1,188,480
N3HXQ	1115	93	280	1,139,515
W4JAM	887	86	292	945,378
N3UM	790	91	290	856,107
K3ZJ	10	1675	37	133,828,070
N4CW	760	84	270	761,100
N3HBX	15	1517	34	132,700,520
K4HA	487	90	238	451,000
AD4L	634	67	170	432,051
K1GG	468	96	235	420,370
WK4R	558	###		380,182
W3DQ	503	66	196	368,634
W4YE	496	58	193	355,416

N4EL 439 53 170 279,642
N4ZR 317 38 126 153,996
N4GU 308 39 123
AD3F 176 49 107 81,744
N3HS ## ## ## 9,063

SINGLE OP LOW POWER - UNASSISTED

N4YDU 1260 101 317 1,479,720
W4IDX 817 96 304 896,000
N3WZR 774 81 244 722,150
K1EFI 683 69 259 629,432
K3DSP 643 78 239 575,989
K2YWE 469 60 182 316,294
K3AN 399 66 179 271,950
N4MO 15 572 32 123 254,975
N3UN 375 74 170 248,392
KG6AR 375 60 156 219,888
W3CP 352 56 159 216,505
W3DF 344 40 97 137,411
NI4S 232 45 123 105,168
AA4KD 215 (169) 95,147
WW4M 157 26 70 42,528
N3EYB 135 29 74 39,552
W4XP 117 29 61 29,340
N8CH 104 29 66 28,120
W4RIM 105 26 61 26,448
K1SO 67 (##) 13,206

SINGLE OP ASSISTED

N3RR 2464 158 603 5,371,899
W4NF 2281 134 468 3,953,936
N3AM 1575 128 450 2,628,744
W4RM 1883 94 335 2,353,923
K3SV 1227 129 463 2,065,488
KV3R 1384 125 391 2,054,196
W3EKT 992 114 402 1,457,184
N4GG 913 100 356 1,175,112
W4PRO 905 95 329 1,100,704
K7SV 853 112 340 1,086,608
W3UJ 883 95 318 1,045,716
K3KO 760 118 367 1,038,385
W3OU 764 98 278 817,424
K3GEG 452 117 407 648,188

W3HVQ 546 110 290 597,600
W3MR ### 76 240 413,960
K3SX 420 99 277 360,429
NE3H 451 66 185 325,045
N3GPU 350 73 142 211,560
W3KHZ 228 31 74 124,032
AJ3M ### ## ## 108,675
KO4MR 10 201 38 149 106,403

MULTI - SINGLE

K4JA 4329 178 687 10,700,000
WM3T 525 68 220 433,728

MULTI - MULTI

W3LPL 8401 190 765 21,941,125
W4MYA 5458 182 700 13,119,750
N4RV 3952 161 588 8,416,513
W8ZA 3350 156 572 6,654,648
K3DI 1450 130 432 2,349,160
AK3Z 976 103 297 1,073,310

DXPEDITIONS

V26B 15736 179 700 2,904,875

74 LOGS TOTAL 132,196,565

OPERATORS (non-PVRC)s

AK3Z AK3Z WX3B W3ARS N3SB
K3DI W3ICM W3OQ K3DI
K4JA K4JA K9GY K9JY W4JVN WE9V
(KE9I KA9FOX)
N4RV N4RV K2PLF (WA1S)
V26B N3OC (plus 11 others)
Full claimed score: 34,858,503
W3LPL W3LPL K1HTV K1RA K1RZ W2GG ND3A
ND3F WF3J AI3M K3MM NK3R K3RA
WR3Z KD4D W6AAN 4X6FR
W4MYA KC8FS KF4QQY N4DEN N4EHJ N4ZJ
W4DR W4HJ W4HZ W4JST W4MYA
W4PFM W4TNX WA8WV WK4Y WU4G

W8ZA K3DNE K3IXD KO3GA K8OQL N8II
W8ZA WD3A
WM3T KF4OKG WM3T

GUEST OPERATIONS

K4MA at AA4NC
N3WZR at N1WR
WK4R at KI7WX

Note:

AD4L was KS4XG

ARRL CW SS (FINAL - 12.6.2001)

CALL PREC QSO SEC TOTAL

N4AF B 1311 80 209,760
K3MM B 1288 80 206,080
W4MR U 1210 80 193,600
W3PP B 1140 80 182,400
W2GG B 1132 80 181,120
N4ZR B 1095 80 175,200
KD4D B 1095 79 173,010
WR3L M 1075 80 172,000
K3ZO B 1062 80 169,920
K4MA U 1059 80 169,440
NY3A A 1047 79 165,426
ND3A B 1042 80 166,720
K4IX M 1003 80 160,480
K2PLF B 1000 80 160,000
W4ML U 987 80 157,920
W4NF U 993 79 156,894
WJ9B A 907 80 145,120
K7SV A 887 80 141,920
N2NFG A 890 79 140,620
N3SB A 905 77 139,370
W3HVQ B 875 77 134,750
K3TM A 837 80 133,920
WY3A A 872 79 137,776
N4YDU A 830 79 131,140
N3AM B 823 79 130,034
N4CW A 800 80 128,000
N1WR A 805 79 127,190

N4MO A 820 77 126,280
W4ZYT M 778 79 122,924
W4IDX A 787 77 121,198
K3DI U 753 80 121,120
K4QPL A 773 78 120,120
N4GU A 774 77 119,196
K2AV B 741 79 117,078
KT3Y B 730 79 115,340
K3KO U 714 79 112,812
N3UM B 718 78 112,008
W8ZA M 640 80 102,400
N4GG U 630 80 100,800
W3CB A 663 74 98,124
W3UJ A 614 78 95,784
W4YE A 610 78 95,160
N3OC U 580 79 91,640
KO7X U 587 78 91,572
K3KU A 580 78 90,480
K4TX B 614 73 89,644
K3AN Q 572 77 88,088
WX3B U 576 76 87,552
NC3Y A 567 74 83,916
W3SY A 555 75 83,250
KO4PY Q 525 78 81,900
W3EKT U 460 78 71,760
K2UOP B 455 76 69,160
KN1DX A 440 77 67,760
KM3V A 445 75 66,750
N3HUV U 408 79 64,464
K3SV U 380 80 60,800
K4VV B 400 76 60,800
K3RA A 356 80 56,960
W4TNX U 338 79 53,404
NE3H A 351 74 51,948
W4RIM A 351 73 51,246
WM3T M 300 80 48,000
K2YWE A 328 72 47,232
W3BP A 340 67 45,426
NT4D U 255 80 40,800
W3DAD A 290 66 38,280
W3SO B 282 67 37,788
K1KO A 278 67 37,252
W3ZZ A 240 77 36,960

AA4KD A 263 70 36,820
W3CP A 260 70 36,400
K1GG B 218 69 30,084
N4TL B 215 63 27,090
N8II A 211 60 25,320
W4RX B 172 62 21,328
W4PW A #### ## 18,256
N4MM A 131 68 17,816
N3KW B 272 62 16,864
NX9T A 150 55 16,500
W4HJ B 160 49 15,680
N3UN A 146 43 12,556
W4HM A 105 52 10,920
K3DSP A 119 45 10,710
K4EU A 73 67 9,782
WD3A A 75 39 5,850
W2CS B 69 30 4,140
N3FX B 40 33 2,640
WD3P Q 46 28 2,576
K4IQ Q 30 20 1,200

90 LOGS TOTAL 8,087,518

**** SPECIAL OPERATIONS ****

WP3R B 1522 80 243,500
by KE3Q

Operator list:

K4IX K4IX KT4P
KD4D at N3HBX
KN1DX K1SE
KO7X KI7WX at KO7X
ND3A at N4RV
W2GG at W3LPL
W4ML W4MYA
W4MR AA4NC
W4ZYT W4ZYT W4SD AF4CD N8CH
AG4JT W8RJL KU4EC W4WV
W8ZA K8OQL W8ZA
WM3T WM3T KF4OKG
WR3L WR3Z K3FT KA3TUL

LAST YEAR'S RESULTS - Combined

SMC 211 14,552,734

NCCC 123 14,152,580

PVRC 146 12,213,356

YCCC 90 6,672,154

ARRL PH SS (FINAL 12.27.2001)

CALL PREC QSO SEC TOTAL

W2CS U 1652 80 264,320

K3MM B 1649 80 263,840

W4MR U 1634 80 261,440

W2GG B 1557 80 249,120

K4MA U 1493 80 238,880

W4NF U 1439 80 230,240

WW4M B 1384 80 221,440

W3PP U 1278 80 204,480

WR3L M 1277 80 204,320

K2PLF B 1276 80 204,160

KD4D U 1210 80 191,040

K1GG B 1208 79 190,864

W4MYA U 1161 80 185,760

N3FX B 1158 80 185,280

NX9T B 1152 80 184,320

N2QT U 1095 80 175,200

N3HXQ B 1083 79 170,640

N4RV U 1050 80 168,000

W3SY A 1050 80 168,000

K3TM B ##### ## 158,790

KV3R U 963 80 154,080

K3ZO B 947 79 149,626

N2NFG A 902 80 144,320

AD4L B 911 79 143,938

K3DI M 884 80 141,600

WX3B M 868 80 138,880

AI3M A 810 80 129,600

N3KW B 733 80 117,280

N3HUV U 719 80 115,040

N3UM B 725 78 113,100

W3SO M 730 74 108,040

K4QPL A 664 80 105,760

N4ZR B 643 80 102,880
W3UJ A 640 80 102,400
K3DNE A 624 79 98,592
N3OC U 583 80 93,280
K3AN A 601 77 92,554
K4IQ B 579 79 91,482
W3HVQ U 559 80 89,440
K3IXD U 561 79 88,638
N3GPU U 554 78 86,424
NI4S A 526 78 82,056
K3SV U 505 80 80,800
WJ9B A 464 80 73,920
K3RA A 451 80 72,160
W3BP B 507 71 71,852
KM3V A 447 80 71,520
W3CB A 451 79 71,258
W3YD B 444 80 71,040
N1WR A 442 80 70,720
K4KDJ S 407 80 65,120
W4IDX A 418 77 64,372
K4YT B 401 80 64,160
W4ZYT B 401 80 64,160
NE3H A 400 78 62,400
W3MR A 383 80 61,280
K3GV B 388 78 60,372
N4CW A 375 79 59,250
WM3T M 367 80 58,720
N3HS B 361 80 57,760
AJ3M B 375 76 57,000
K8OQL B 374 75 56,100
W3UL B 378 73 55,188
K2YWE A 363 76 55,176
AA4KD A 343 76 52,136
W3AZ B 338 76 51,376
W4YE A 326 77 50,204
N4MM A 312 80 49,920
K2UOP B 303 75 45,450
W4TNX A 278 76 42,256
W3ARS A 265 77 40,810
NT4D U 260 78 40,560
W4RIM A 237 79 37,446
KE4MIL A 250 73 36,500
W3OU U 230 79 36,340

K4TMC A 251 70 35,140
W3EKT U 251 70 35,140
K7SV A 239 72 34,416
N4TL A 230 72 33,120
WD3A B 238 66 31,416
K3DSP A 216 72 31,104
N6ZO B 230 70 31,080
N3EYB A 222 62 27,528
N4YDU B 215 62 26,660
KG6AR A 184 69 25,392
N4GG B 171 70 23,940
W8ZA U 181 65 23,530
W4XP A 146 55 16,060
W3KHZ B 122 65 15,860
W4HJ Q 125 60 15,000
K3YDX A 125 57 14,250
K4GMH B #### ## 12,800
N4EL B 114 50 11,400
K1SO A 75 75 11,250
W3DAD A 122 44 10,736
N8CH A 100 44 8,800

96 LOGS TOTAL 8,991,092

**** SPECIAL OPERATIONS ****

WP3R B 2491 80 398,560
by KE3Q

Operator list:

AD4L at KI7WX/KO7X
K3DI W3OQ K3DI
K4KDJ K4EP KF4YLM (N1KH/5B4AFM)
KD4D at N3HBX
W2CS at N4AF
W2GG at W3LPL
W3SO W3TEF W3YOZ
W4MR AA4NC
WM3T KF4OKG WM3T
WR3L WR3L K3FT KA3TUL N3WJA
WW4M at K3KO
WX3B WX3B and friend

90 LOGS - CW 8,087,518
96 LOGS - PH 8,991,092
GRAND TOTAL: 17,078,610

LAST YEAR'S RESULTS - Combined
SMC 211 14,552,734
NCCC 123 14,152,580
PVRC 146 12,213,356
YCCC 90 6,672,154

CQWW DX CW (#6 12.19.2001)

CALL BND QSO ZON CTY TOTAL

SINGLE OP HIGH POWER - UNASSISTED

K3ZO 3051 134 424 4,948,344
W4RX 2015 132 412 3,172,064
W4YE 1278 111 356 1,705,951
N3UM 1201 98 299 1,372,032
K3TM 1028 97 316 1,226,197
K2UOP 901 103 323 1,090,134
W3AZ 691 96 280 741,472
W4ZV 10 1492 37 134 731,709
N4MM 616 98 283 665,607
K4HA 652 86 253 629,354
NE3H #### ## ### 514,156
KT3Y 40 1217 32 109 478,272
W3DAD 432 65 196 323,640
K1KO 357 73 185 255,936
K4YT 290 ## ### 210,396
W4ZYT 250 64 156 151,360
W3GN 230 51 123 110,142
AD4L 216 46 118 100,204
N4ZR 182 46 97 74,360
N4CW 68 42 65 20,330

SINGLE OP LOW POWER - UNASSISTED

K7SV 1767 127 382 2,585,211
N4YDU 1419 110 358 1,829,412
NY3A 1591 93 299 1,802,024

N1WR 1132 108 360 1,513,512
K2YWE 1079 96 310 1,218,000
W3UJ 745 90 290 809,780
K1EFI 610 80 285 628,165
W4IDX 551 83 243 492,912
W3DF 493 68 189 360,314
N4MO 15 725 34 119 321,300
W3CP 377 69 196 283,285
N3GPU 365 70 179 250,743
K3DSP 363 56 164 223,080
N4TL 321 65 171 208,388
AA4KD 222 56 146 122,008
NX9T 225 64 137 120,600
W0YR 40 337 25 79 96,928
W4SD 155 31 83 51,186
WJ9B 120 52 25 23,485

SINGLE OP QRP - UNASSISTED
WD3P 20 91 10 40 13,100

SINGLE OP ASSISTED
N3RR 1853 155 527 3,623,466
N3AM 1335 124 428 2,104,776
K3KO 1068 128 433 1,707,123
K3DI 1022 ### ## 1,530,144
K3SV 875 115 394 1,256,212
N4ZJ ### ## 1,179,000
W3EKT 725 108 352 949,440
W3HVQ 666 115 390 930,715
K4GMH ### ## 724,750
W3UL 359 57 175 233,392
N4GG 293 74 196 221,400
K3SX 292 63 154 176,204
W3BP 40 267 21 89 83,710

MULTI - SINGLE
K4JA 3389 176 646 8,010,000
W4MR 2287 144 502 4,263,600

MULTI - MULTI
W3LPL 7191 196 704 18,032,400
NY4A 5644 179 615 12,869,152
W4MYA 4242 176 622 9,617,496

N4RV 3231 160 568 6,781,320
W8ZA 2143 134 460 3,666,762
N3SB 888 102 322 1,070,600

DXPEDITIONS

JT1/K4ZW 2864 131 307 2,751,954

62 LOGS TOTAL 113,258,709

62 LOGS - CW 113,258,709
74 LOGS - SSB 132,196,565
GRAND TOTAL: 245,455,274

OPERATORS (non-PVRC):

K4JA K1SE K4MA W4JVN K9GY K9JY
WE9V K4JA
N3SB N3SB WX3B AK3Z at WX3B
NY4A N4AF W2CS K7GM K2AV
W3LPL K1HTV AI3M W3LPL N3OC K3MM
K3TN KD4D W2GG K3KU K3RA
WF3J K3RV (4X6FR)
W4MR N4CW KE4GY AA4NC
W4MYA K4GAU NR4M W4DAA W4DR W4HJ
W4MYA W4TNX WA4PGM WK4Y

ARRL 160 CONTEST (#5 12.27.2001)

CALL QSO SEC DX TOTAL

** SINGLE OP HIGH POWER

W4ML 1139 75 15 210,150
K2UOP 830 71 10 137,133
N4CW 694 68 5 102,638
K3SV 716 53 15 100,844
W3GN 620 65 5 88,060
N3UM 570 64 6 81,270
N4AF 588 64 6 71,750
K2PLF 536 57 5 67,394
K1GG 516 (60) 62,640
K3MM 432 65 4 60,444
K4MA 452 58 4 56,978

W3YOZ 413 (66) 55,704
N4GG 476 54 3 54,948
K4ZW 406 56 5 50,630
K4HA 262 61 3 28,944
NX9T 212 52 2 23,382
W3DAD 219 49 3 23,244
W8ZA 190 50 0 19,000
W3EKT 157 45 0 16,121

**** SINGLE OP LOW POWER**

N2NFG 627 65 6 90,525
WJ9B 616 62 3 80,860
W3DF 413 60 3 52,794
K8OQL 370 55 3 43,442
K3SWZ 341 ## # 43,028
WK4Y 330 56 3 39,648
W4YE 330 (59) 39,294
N1WR ### ## # 32,807
W4HJ 325 44 2 30,314
W3CP 269 (50) 27,350
N4ZR 217 50 3 23,744
N4MM 189 (60) 23,220
W4TNX 251 43 2 22,860
K4EU 250 41 3 22,396
W2YE 193 47 4 20,298
N3GPU 218 38 2 17,680
AD3F 159 39 3 13,734
W3RR 161 (39) 12,558
N4TL 102 35 1 7,452
N4JED 70 (26) 3,640
K4NYS 21 18 0 756

**** SINGLE OP QRP POWER**

**** MULTIOP**

W4MR 1000 74 9 168,739
K3DI 666 61 6 90,651
K3KO 560 69 4 82,855
N4GG 476 (57) 54,948
N3AM 451 59 4 56,826
W2GG 386 59 4 49,581
W3HVQ 336 64 6 48,510
WX3B 122 36 3 9,139

48 LOGS TOTAL 2,520,923

SPECIAL OPERATIONS TO NOTE:

K4JA 1227 78 25 270,993

by KE9I

LAST YEAR - 2000

logs score

SMC 74 2,798,977

P V R C 51 2,297,845

Operators (single op plus packet

unless listed otherwise):

K3DI K2YWE K3DI

W4MR N4YDU AA4NC @ AA4NC

WX3B WX3B N3SB

PVRC ARRL 10 m CONTEST RESULTS

(#4 - 12/27/2001)

CALL QSO'S STS DX TOTAL

SINGLE OP HIGH POWER - MIXED

K3ZO 2873 118 154 2,338,112

W4RX 2095 107 147 1,700,000

N4ZR 2075 109 139 1,693,344

K2UOP 1002 98 108 644,780

W3GNQ 1185 ## ## 518,880

N4MM 524 (209) 296,780

K3MM 456 (110) 163,020

N4TL 329 48 79 134,366

K4VV 286 76 31 83,032

W8ZA 105 14 55 19,044

SINGLE OP LOW POWER - MIXED

N4YDU 800 (192) 504,576

W3UJ 758 99 109 501,280

K3DSP 650 85 111 329,672

W3DQ 676 (175) 309,750
N3II 540 70 107 315,414
N4JED 478 (160) 217,600
N3GPU 627 55 74 165,120
W4IDX 361 (109) 137,122
W4XP 156 25 51 29,336
K3YDX 145 45 34 29,072
W4SD 105 13 48 20,374

SINGLE OP QRP POWER - MIXED

SINGLE OP HIGH POWER - PHONE

N3HBX 2221 62 78 621,880
NX9T 1501 (129) 386,742
KV3R 1309 83 61 376,992
N3FX 825 (123) 202,950
4U1WB 790 (89) 140,620
WX3B 474 (81) 76,788
W3KHZ 116 62 34 14,384

SINGLE OP LOW POWER - PHONE

K3DNE 975 55 69 241,800
K4TMC 1007 (117) 235,638
W3LL 414 47 69 96,048
W3LEO 333 32 56 56,608
KE4MIL 259 (90) 46,620
N3HXQ 140 (58) 16,420

SINGLE OP HIGH POWER - CW

W4ZV 2431 59 90 1,448,876
K7GM 2081 (146) 1,215,888
N4CW 1530 (132) 807,840
K3SV 1522 (132) 803,088
N3UM 1072 56 66 523,136
K8OQL 783 50 62 351,232
W4YE 550 (115) 253,000
N4GG 520 53 50 214,652
W3GG 521 (94) 196,648
W3GN 213 47 28 63,900

SINGLE OP LOW POWER - CW

NY3A 1428 (131) 749,844
K3FT 1387 (129) 717,756

WJ9B 1022 56 67 502,824
W3CB 939 (121) 454,960
W4HM 595 (128) 305,664
K4CIA 447 (125) 224,000
W3CP 483 (114) 220,248
W3DAD 373 46 53 148,104
W4HJ 132 32 31 33,264

SINGLE OP QRP POWER - CW

MULTI OP

K1SE 2801 119 200 2,564,122
W4MYA 2890 119 171 2,459,200
W4MR 2471 119 171 2,238,060
K8GP 2510 108 171 2,113,704
N3AM 1366 85 161 1,242,792
W4EI 1213 (210) 868,560
K3KO 1100 59 85 635,328
W4TNX 750 90 121 505,134
K3DI 802 113 95 501,696
AD4L 1462 61 83 421,056
W3UL 453 (185) 261,960
K3IXD 861 56 87 246,246
K4GMH 400 (92) 147,200
W3OU 380 69 82 144,960
W3YD 438 56 68 108,624
N3KTV 319 41 85 80,388
W2GG 153 26 39 35,750
W3PP 175 37 55 32,200

DXPEDITION

71 LOGS TOTAL 36,506,068

LAST YEAR - 2000

P V R C 35,787,298
S M C 28,946,170
YANKEE CLIPPER C C 21,095,582

Multiop operators:
Single op plus packet unless
indicated below.

AD4L AD4L WW4M
K1SE K1SE K4EU K4ZW
K8GP K8ISK W2GG
W4EI N4MO W4EI (K4UVT)
W4MR K4MA AA4NC

Guest op:

4U1WB AJ3M
K7GM at N4AF
K8GP at W3LPL
W3GNQ WI2T at W3GNQ
W4RX ND3F at W4RX